PRENATAL DIAGNOSIS
(*Prenat Diagn*)

Contents

VOLUME 22, ISSUE Nos. 1–13, INCLUDING SPECIAL TOPIC ISSUES

ISSUE NUMBER 1, JANUARY 2002

Fetal Cytogenetics

Rapid prenatal diagnosis of trisomy 21 in 5049 consecutive uncultured amniotic fluid samples by fluorescence *in situ* hybridisation (FISH): *I. Witters, K. Devriendt, E. Legius, G. Matthijs, D. Van Schoubroeck, F. A. Van Assche and J.-P. Fryns* 29

Prenatal diagnosis of cri du chat (5p-) syndrome in association with isolated moderate bilateral ventriculomegaly: *E.-G. G. Stefanou, G. Hanna, A. Foakes, M. Crocker and M. Fitchett* 64

Fetal Molecular Biology and Biochemistry

Strategies for prenatal and preimplantation genetic diagnosis in Marfan syndrome (MFS): *B. Loeys, L. Nuytinck, P. Van Acker, S. Walraedt, M. Bonduelle, K. Sermon, B. Hamel, A. Sanchez, L. Messiaen and A. De Paepe* . . 22

Mitochondrial DNA depletion presenting prenatally with skin edema and multisystem disease immediately after birth: *S. Arnon, R. Aviram, T. Dolfin, R. Regev, I. Litmanovits, R. Tepper and O. N. Elpeleg* 34

Molecular diagnosis of a novel heterozygous 268C→T (R90C) mutation in TGIF gene in a fetus with holoprosencephaly and premaxillary agenesis: *C.-P. Chen, S.-R. Chern, S.-H. Du and W. Wang* 5

Molecular analysis of genomic DNA allows rapid, and accurate, prenatal diagnosis of peroxisomal D-bifunctional protein deficiency: *B. C. Paton, P. B. Solly, P. V. Nelson, A. N. Pollard, P. C. Sharp and M. J. Fietz* 38

Fetal Cells in the Maternal Circulation

New technique using galactose-specific lectin for isolation of fetal cells from maternal blood: *M. Kitagawa, K. Sugiura, H. Omi, Y. Akiyama, K. Kanayama, M. Shinya, T. Tanaka, H. Yura and H. Sago* 17

Fetal Imaging

Detection of fetal structural abnormalities at the 11–14 week ultrasound scan: *M. H. B. Carvalho, M. L. Brizot, L. M. Lopes, C. H. Chiba, S. Miyadahira and M. Zugaib* 1

Middle cerebral artery Doppler study in fetuses with homozygous α-thalassaemia-1 at 12–13 weeks of gestation: *Y. H. Lam and M. H. Yin Tang* 56

Prenatal diagnosis of Joubert syndrome: a case report: *H. Aslan, V. Ulker, E. M. Gulcan, C. Numanoglu, A. Gul, M. Agar and H. C. Ark* 13

Pathology of the Fetus and Placenta

Heterogeneity in fetal akinesia deformation sequence (FADS): autopsy confirmation in three 20–21-week fetuses: *H. Yfantis, D. Nonaka, R. Castellani, C. Harman and C.-C. Sun* 42

The effect of a systemic arteriovenous fistula on the pulmonary arterial blood pressure in the fetal sheep: *J.-M. Jouannic, J. Martinovic, R. Roussin, F. Laborde, Y. Dumez and A. T. Dinh-Xuan* 48

Fetal Therapy

Ultrasound-guided umbilical cord occlusion using bipolar diathermy for Stage III/IV twin-twin transfusion syndrome: *M. J. O. Taylor, E. Shalev, S. Tanawattanacharoen, M. Jolly, S. Kumar, E. Weiner, P. M. Cox and N. M. Fisk* 70

Maternal Screening

Raised maternal serum placenta growth factor concentration during the second trimester is associated with Down syndrome: *Y. N. Su, J. J. Hsu, C. N. Lee, W. F. Cheng, C. C. S. Kung and F. J. Hsieh* 8

A negative second trimester triple test and absence of specific ultrasonographic markers may decrease the need for genetic amniocentesis in advanced maternal age by 60%: *D. J. D. Rosen, I. Kedar, A. Amiel, T. Ben-Tovim, Y. Petel, H. Kaneti, M. Tohar and M. D. Fejgin* 59

Psychosocial Aspects

Variation in uptake of serum screening: the role of service delivery: *E. Dormandy, S. Michie, J. Weinman and T. M. Marteau* 67

Technological Developments

Detection of fetal cells in intrauterine lavage samples collected in the first trimester of pregnancy: *R. Cioni, C. Bussani, B. Scarselli, F. Barciulli, S. Bucciantini, P. Simi, A. Fogli and G. Scarselli* 52

Letters to the Editor 77

Current Awareness in Prenatal Diagnosis 83

ISSUE NUMBER 2, FEBRUARY 2002

Fetal Cytogenetics

Prenatal diagnosis of 45,X and 45,X mosaicism: the need for thorough cytogenetic and clinical evaluations: *B. Huang, M. Thangavelu, S. Bhatt, C. J. Sandlin and S. Wang* . . . 105

The importance of investigating for uniparental disomy in prenatally identified balanced acrocentric rearrangements: *K. D. McGowan, J. J. Weiser, J. Horwitz, S. A. Berend, C. McCaskill, V. R. Sutton and L. G. Shaffer* . . . 141

Short Communications

Prenatal diagnosis of a familial complex chromosomal rearrangement involving chromosomes 5, 10, 16 and 18: *M. H. Lee, S. Y. Park, Y. M. Kim, J. M. Kim, J. Y. Han, M. Y. Kim and H. M. Ryu* . . . 102

Prenatal diagnosis of partial tetrasomy 14: a case study: *A. M. George, L. Hallam, P. Oei and J. McGaughran* . . . 127

A second case of intrauterine growth retardation and primary hypospadias associated with a trisomy 22 placenta but with biparental iheritance of chromosome 22 in the fetus: *J. Bryan, M. Peters, G. Pritchard, S. Healey and D. Payton* . . . 137

Fetal Molecular Biology and Biochemistry

Fetal, neonatal cord, and maternal plasma concentrations of angiotensin-converting enzyme (ACE): *T. Walther, R. Faber, B. Maul, H.-P. Schultheiss, W.-E. Siems and H. Stepan* . . . 111

Prenatal diagnosis of a lethal form of Netherton syndrome by *SPINK5* mutation analysis: *E. Bitoun, C. Bodemer, J. Amiel, Y. de Prost, C. Stoll, P. Calvas and A. Hovnanian* . . . 121

Usefulness of automated chromatography for rapid fetal blood analysis for second trimester prenatal diagnosis of β-thalassemia: *M. R. Wadia, S. P. Phanasgaokar, A. H. Nadkarni, R. R. Surve, A. C. Gorakshakar, R. B. Colah and D. Mohanty* . . . 153

Fetal Cells in the Maternal Circulation

Testing normality of fetal DNA concentration in maternal plasma at 10–12 completed weeks' gestation: a preliminary approach to a new marker for genetic screening: *A. Farina, E. Caramelli, M. Concu, A. Sekizawa, R. Ruggeri, L. Bovicelli, N. Rizzo and P. Carinci* . . . 148

Fetal Imaging

The development of the fetal thymus: an *in utero* sonographic evaluation: *Y. Zalel, R. Gamzu, S. Mashiach and R. Achiron* . . . 114

Early second trimester prenatal diagnosis of Neu-Laxova syndrome: *R. W. Driggers, S. Isbister, C. McShane, K. Stone and K. Blakemore* . . . 118

Fetal diaphragmatic hernia and upper limb anomalies suggest Brachmann-de Lange syndrome: *T. Marino, P. G. Wheeler, L. L. Simpson, S. D. Craigo and D. W. Bianchi* . . . 144

Short Communications

Congenital lymphedema presenting with increased nuchal translucency at 13 weeks of gestation: *A. P. Souka, E. Krampl, L. Geerts and K. H. Nicolaides* . . . 91

Congenital nephrotic syndrome presenting with increased nuchal translucency in the first trimester: *A. P. Souka, H. Skentou, L. Geerts, S. Bower and K. H. Nicolaides* . . . 93

Prenatal diagnosis of ventricular aneurysm: a report of two cases and a review: *S. Pipitone, V. Sperandeo, M. Mongiovi, G. Roberto and G. Centineo* . . . 131

Pathology of the Fetus and Placenta
Invited Commentary: Current Issues in Obstetrics and Genetics

The management of fetal alloimmune thrombocytopenia: *M. C. Jolly, E. A. Letsky and N. M. Fisk* . . . 96

Fetal Therapy

Thermocoagulation of fetal sacrococcygeal teratoma: *Y. H. Lam, M. H. Y. Tang and T. W. H. Shek* . . . 99

Letters to the Editor . . . 158

Announcement . . . 167

Current Awareness in Prenatal Diagnosis . . . 168

ISSUE NUMBER 3, MARCH 2002

Fetal Cytogenetics

Rapid interphase analysis for prenatal diagnosis of translocation carriers using subtelomeric probes: *M. J. Pettenati, C. Von Kap-Herr, B. Jackle, P. Bobby, P. Mowrey, S. Schwartz, P. N. Rao and J. Rosnes* . . . 193

Can we predict 22q11 status of fetuses with tetralogy of Fallot?: *Y. Boudjemline, L. Fermont, J. Le Bidois, E. Villain, D. Sidi and D. Bonnet* . . . 231

Fetal Molecular Biology and Biochemistry

Prenatal diagnosis in two families with autosomal, p47^{phox}-deficient chronic granulomatous disease due to a novel point mutation in NCF1: *M. de Boer, V. Singh, J. Dekker, M. Di Rocco, D. Goldblatt and D. Roos* . . . 235

Fetal Imaging

Correlation of ultrasound findings and biochemical markers in the second trimester of pregnancy in fetuses with trisomy 21: *V. L. Souter, D. A. Nyberg, A. El-Bastawissi, A. Zebelman, F. Luthhardt and D. A. Luthy* 175

Hyperechogenic fetal bowel and Down syndrome. Results of a French collaborative study based on 680 prospective cases: *B. Simon-Bouy, F. Muller and the French Collaborative Group* 189

Pathology of the Fetus and Placenta

Factors influencing the flow rate through a surgical defect in human fetal membranes: *R. Devlieger, E. Gratacos, H. Ardon, S. Vanstraelen and J. Deprest* 201

Intrauterine left chamber myocardial infarction of the heart and hydrops fetalis in the recipient fetus due to twin-to-twin transfusion syndrome: *T. Marton, J. Hajdú, E. Hruby and Z. Papp* 241

Fetal Therapy

Single umbilical artery stenosis associated with intrauterine fetal death post-transfusion: *K. Meir, S. Yagel, H. Amsalem and I. Ariel* 186

Obstetric outcome after fetal reduction to singleton pregnancies: *L. De Catte and W. Foulon* 206

Maternal Screening
Original Papers

Maternal serum human chorionic gonadotrophin and pregnancy-associated plasma protein A in twin pregnancies in the first trimester: *M. Niemimaa, M. Suonpää, S. Heinonen, S. Seppälä, R. Bloigu and M. Ryynänen* . . . 183

The first trimester 'combined test' for the detection of Down syndrome pregnancies in 4939 unselected pregnancies: *K. Schuchter, E. Hafner, G. Stangl, M. Metzenbauer, D. Höfinger and K. Philipp* 211

Maternal serum leptin concentration during the second trimester of pregnancy: association with fetal chromosomal abnormalities: *D. Rizos, D. Hassiakos, P. Grigori-Kostaraki, A. Sarandakou, D. Botsis and E. Salamalekis* 221

Accuracy of Down syndrome risks produced in a first-trimester screening programme incorporating fetal nuchal translucency thickness and maternal serum biochemistry: *K. Spencer* 244

Maternal smoking: age distribution, levels of alpha-fetoprotein and human chorionic gonadotrophin, and effect on detection of Down syndrome pregnancies in second-trimester screening: *J. A. Crossley, D. A. Aitken, S. M. L. Waugh, T. Kelly and J. M. Connor* 247

Short Communication

Biochemical screening for Down syndrome in pregnancies following renal transplantation: *C. N. Karidas, G. D. Michailidis, K. Spencer and D. L. Economides* 226

Psychosocial Aspects

Dilemmas encountered by health practitioners offering nuchal translucency screening: a qualitative case study: *C. Williams, P. Alderson and B. Farsides* 216

The effect of fast reporting by amnio-PCR on anxiety levels in women with positive biochemical screening for Down syndrome — a randomized controlled trial: *W. C. Leung, Y. H. Lam, Y. Wong, E. T. Lau and M. H. Y. Tang* . 256

Technological Developments

Prenatal diagnosis of long QT syndrome using magnetocardiography: a case report and review of the literature: *T. Hosono, K. Kawamata, Y. Chiba, A. Kandori and K. Tsukada* 198

Invasive Procedures

Transcervical chorionic villus sampling in multiple pregnancies using a biopsy forceps: *G. Casals, A. Borrell, J. M. Martínez, A. Soler, V. Cararach and A. Fortuny* 260

Letters to the Editor 266

Current Awareness in Prenatal Diagnosis 272

ISSUE NUMBER 4, SPECIAL TOPIC ISSUE APRIL 2002

Guest Editorial: J. C. Hobbins 279

Reviews

Diagnosis of cardiac defects: where we've been, where we are and where we're going: *A. H. Friedman, C. S. Kleinman and J. A. Copel* 280

Ultrasound in prenatal diagnosis: polemics around routine ultrasound screening for second trimester fetal malformations: *S. Levi* 285

Second trimester ultrasound screeening for chromosomal abnormalities: *T. D. Shipp and B. R. Benacerraf* . . 296

Increased fetal nuchal translucency at 11–14 weeks: *K. H. Nicolaides, V. Heath and S. Cicero* 308

Ultrasound diagnosis of structural abnormalities in the first trimester: *L. Dugoff* 316

Sonography of fetal cerebrospinal anomalies: *G. Pilu and J. C. Hobbins* 321

Intrauterine growth restriction (IUGR): biometric and Doppler assessment: *H. L. Galan, E. Ferrazzi and J. C. Hobbins* 331

Current Awareness in Prenatal Diagnosis 338

Fetal Cytogenetics

Prenatal diagnosis of common aneuploidies using quantitative fluorescent PCR: *C. Bili, A. Divane, A. Apessos, T. Konstantinos, A. Apostolos, B. Ioannis, T. Periklis and L. Florentin* 360

Maternal uniparental isodisomy 10 and mosaicism for an additional marker chromosome derived from the paternal chromosome 10 in a fetus: *M. Schlegel, A. Baumer, M. Riegel, U. Wiedemann and A. Schinzel* . . . 418

Fetal Molecular Biology and Biochemsitry

A simple and effective approach for detecting maternal cell contamination in molecular prenatal diagnosis: *T. Antoniadi, C. Yapijakis, P. Kaminopetros, C. Makatsoris, V. Velissariou, D. Vassilopoulos and M. B. Petersen* . 425

Isolated sulfite oxidase deficiency: mutation analysis and DNA-based prenatal diagnosis: *J. L. Johnson, K. V. Rajagopalan, W. O. Renier, I. Van der Burgt and W. Ruitenbeek* 433

Invited Commentary: Current Issues in Obstetrics and Genetics

Prenatal diagnosis in glycogen storage diseases: *Y.-T. Chen, D. Bali and J. Sullivan* 357

Short Communication

Prenatal diagnosis of a rhodopsin mutation using chemical cleavage of the mismatch: *A. Tessitore, E. Toniato, A. Gulino, L. Frati, E. Ricevuto, M. Vadalà, E. Vingolo and S. Martinotti* 380

Fetal Imaging

Pregnancy outcome in fetuses with increased nuchal translucency and normal karyotype: *M. V. Senat, B. De Keersmaecker, F. Audibert, G. Montcharmont, R. Frydman and Y. Ville* 345

Prenatal diagnosis of apparently isolated unilateral multicystic kidney: implications for counselling and management: *G. Aubertin, S. Cripps, G. Coleman, B. McGillivray, S. L. Yong, M. Van Allen, D. Shaw and L. Arbour* 388

Factors affecting outcomes of prenatally-diagnosed tumours: *K. L. Chan, M. H. Y. Tang, H. Y. Tse, R. Y. K. Tang, H. S. W. Lam, C. P. Lee and P. K. H. Tam* 437

Short Communications

Prenatal diagnosis of brain abnormalities in Wolf-Hirschhorn (4p-) syndrome: *B. De Keersmaecker, M. Albert, Y. Hillion and Y. Ville* 366

Interrupted aortic arch type A with 22q11 deletion: prenatal detection of an unusual asociation: *P. Volpe, M. Gentile and M. Marasini* 371

Prenatal ultrasound diagnosis of frontonasal dysplasia: *P. Martinelli, R. Russo, A. Agangi and D. Paladini* . . . 375

A case report of prenatally diagnosed ophthalmo-acromelic syndrome type Waardenburg: *F. Kara, N. Yesildaglar, R. A. Tuncer, N. Semerci, N. Onat, Y. Ç. Yilmazer, T. Sipahi and S. Erkaya* 395

Prenatal diagnosis of partial agenesis of the corpus callosum in a fetus with thanatophoric dysplasia type 2: *K. D. Kalache, K. Lehmann, R. Chaoui, D. E. Kivelitz, S. Mundlos and R. Bollman* 404

Prenatal findings in a monozygotic twin pregnancy with Costello syndrome: *T. Van den Bosch, D. Van Schoubroeck, J. P. Fryns, G. Naulaers, A. M. Inion and K. Devriendt* 415

First-trimester sonographic diagnosis of distal urethral atresia with megalourethra in VACTERL association: *M. Krapp, A. Geipel, U. Germer, M. Krokowski and U. Gembruch* 422

Pathology of the Fetus and Placenta

Stereological quantification of placental villus vascularization and its relation to umbilical artery Doppler flow in intrauterine growth restriction: *S. Sagol, O. Sagol and N. Özdemir* 398

Perinatal hepatic infarction in twin-twin transfusion: *M. J. O'Sullivan, E. M. Dempsey, W. O. Kirwan and C. A. Ryan* 430

Fetal Therapy

Funipuncture for fetocide in late termination of pregnancy: *M. V. Senat, C. Fischer and Y. Ville* 354

Maternal Screening

Detection and false-positive rates of maternal serum markers for Down syndrome screening according to maternal age in women over 35 years of age. A study of the agreement of eight dedicated software packages: *F. Muller, J.-C. Thalabard, S. Ngo and M. Dommergues* 350

The variation of risk estimates through pregnancy in second trimester maternal serum screening for Down syndrome: *M. Christiansen, E. V. Høgdall, S. O. Larsen and C. Høgdall* 385

Technological Developments

Fetal magnetocardiography: development of the fetal cardiac time intervals: *C. Kähler, E. Schleußner, B. Grimm, A. Schneider, U. Schneider, H. Nowak and H. J. Seewald.* 408

Current Awareness in Prenatal Diagnosis 444

Erratum 451

ISSUE NUMBER 6, JUNE 2002

Fetal Cytogenetics

Invasive testing for the karyotyping of mid-trimester intrauterine fetal death (IUFD): a pilot study: *E. S. Howarth, J. C. Konje, K. A. Healey, D. P. Duckett, I. W. Scudamore and D. J. Taylor* 453

Fetal Molecular Biology and Biochemsitry

Improving the prenatal diagnosis of citrullinemia using citrulline/ornithine+arginine ratio in amniotic fluid: *B. Chadefaux-Vekemans, D. Rabier, A. Chabli, A. Blanc, J. Aupetit, J. Bardet and P. Kamoun* 456

Pilot study for the neonatal screening of fragile X syndrome: *M. Rifé, J. Mallolas, C. Badenas, B. Tazón, M. Rodríguez Miguélez, T. Pàmpols, A. Sànchez and M. Milà* 459

Fetal Cells in the Maternal Circulation

Expandability of haemopoietic progenitors in first trimester fetal and maternal blood: implications for non-invasive prenatal diagnosis: *C. Campagnoli, I. A. G. Roberts, S. Kumar, M. Choolani, P. R. Bennett, E. Letsky and N. M. Fisk* 463

Fetal Imaging

Pallister-Killian syndrome: difficulties of prenatal diagnosis: *B. Doray, F. Girard-Lemaire, B. Gasser, J.-J. Baldauf, B. de Geeter, M. Spizzo, C. Zeiden and E. Flori* 470

Maternal Screening

The role of hyperglycosylated hCG in trophoblast invasion and the prediction of subsequent pre-eclampsia: *R. O. Bahado-Singh, A. U. Oz, J. M. Kingston, S. Shahabi, C. D. Hsu and L. Cole* 478

An increase in cost-effectiveness of first trimester maternal screening programmes for fetal chromosome anomalies is obtained by contingent testing: *M. Christiansen and S. O. Larsen* 482

Letters to the Editor 487

Preimplantation Genetics and Diagnosis (Special Topic Section)

Non-disclosing preimplantation genetic diagnosis for Huntington disease: *H. J. Stern, G. L. Harton, M. E. Sisson, S. L. Jones, L. A. Fallon, L. P. Thorsell, M. E. Getlinger, S.H. Black and J. D. Schulman* 503

Attitude of at-risk subjects towards preimplantation genetic diagnosis of α- and β-thalassaemias in Hong Kong: *P. W. Hui, Y. H. Lam, M. Chen, M. H. Y. Tang, W. S. B. Yeung, E. H. Y. Ng and P. C. Ho* 508

Preimplantation genetic diagnosis for aneuploidy screening in early human embryos: a review: *L. Wilton* . . 512

First application of preimplantation genetic diagnosis to neurofibromatosis type 2 (NF2): *P. M. Abou-Sleiman, A. Apessos, J. C. Harper, P. Serhal, R. M. L. Winston and J. D. A. Delhanty* 519

Preimplantation genetic diagnosis for single gene disorders: experience with five single gene disorders: *J. C. Harper, D. Wells, W. Piyamongkol, P. Abou-Sleiman, A. Apessos, A. Ioulianos, M. Davis, A. Doshi, P. Serhal, M. Ranieri, C. Rodeck and J. D. A. Delhanty* 525

Current Awareness in Prenatal Diagnosis 534

ISSUE NUMBER 7, JULY 2002

Fetal Cytogenetics

Prenatally detected trisomy 7 mosaicism in a dysmorphic child: *S. Kivirikko, R. Salonen, A. Salo and H. von Koskull* 541

Fetal Molecular Biology and Biochemistry

Prenatal diagnosis of Niemann-Pick diseases types A, B and C: *M. T. Vanier* 630

Fetal Cells in the Maternal Circulation

Fetal gender and aneuploidy detection using fetal cells in maternal blood: analysis of NIFTY I data: *D. W. Bianchi, J. L. Simpson, L. G. Jackson, S. Elias, W. Holzgreve, M. I. Evans, K. A. Dukes, L. M. Sullivan, K. W. Klinger, F. Z. Bischoff, S. Hahn, K. L. Johnson, D. Lewis, R. J. Wapner and F. de la Cruz* 609

Fetal Imaging

Prenatal diagnosis of congenital heart disease in the Naples area during the years 1994–1999 — the experience of a joint fetal-pediatric cardiology unit: *D. Paladini, M. Russo, A. Teodoro, G. Pacileo, G. Capozzi, P. Martinelli, C. Nappi and R. Calabrò* 545

The effect of ethnic origin on nuchal translucency at 10–14 weeks of gestation: *M. Chen, Y. H. Lam, M. H. Y. Tang, C. P. Lee, S. Y. Sin, R. Tang, H. S. Wong and S. F. Wong* 576

Early prenatal diagnosis of major cardiac anomalies in a high-risk population: *C. C. Gabriel, A. Galindo, J. M. Martínez, J. M. Carrera, F. Gutiérrez-Larraya, P. de la Fuente, B. Puerto and A. Borrell* 586

Achondrogenesis type II with normally developed extremities: a case report: *E. Kocakoc and A. Kiris* 594

Prenatal ultrasonographic detection of gastrointestinal obstruction: results from 18 European congenital anomaly registries: *M. C. H. Haeusler, A. Berghold, C. Stoll, I. Barisic, M. Clementi and the EUROSCAN Study Group* . . 616

Prenatal diagnosis of Pierre-Robin sequence as part of Stickler syndrome: *M. Soulier, S. Sigaudy, C. Chau and N. Philip* 567

Prenatal diagnosis of extrahepatic biliary duct atresia: *M. Ben-Ami, Y. Perlitz, S. Shalev, I. Shajrawi and F. Muller* . 583

Fetal Infections

Intraventricular haemorrhage in a fetus with cerebral cytomegalovirus infection: *G. Nigro, R. La Torre, E. Sali, M. Auteri, M. Mazzocco, L. Maranghi and E. Cosmi* 558

Pathology of the Fetus and Placenta

Shortened fetal long bones: a possible *in utero* manifestation of placental function: *Y. Zalel, O. Lehavi, E. Schiff, B. Shalmon, S. Cohen, A. Schulman and R. Achiron* 553

Maternal Screening

Mid-trimester triple test levels in early and late onset severe pre-eclampsia: *S. Shenhav, O. Gemer, E. Sassoon, M. Volodarsky, R. Peled and S. Segal* 579

Second trimester two-step trisomy 18 screening using maternal serum markers: *F. Muller, C. Sault, C. Lemay, N. Roussel-Mizon, F. Forestier, J.-L. Frendo and the ABA Collaborative Group* 605

Psychosocial Aspects

Outcomes of pregnancies diagnosed with Klinefelter syndrome: the possible influence of health professionals: *Decision-making after diagnosis of fetal abnormality Study Group (DADA)* 562

Psychological impact of the detection of soft markers on routine ultrasound scanning: a pilot study investigating the modifying role of information: *M. S. Watson, S. Hall, K. Langford and T. M. Marteau* 569

Womens' preference in Down syndrome screening: *I. M. de Graaf, T. Tijmstra, O. P. Bleker and J. M. M. van Lith* . 624

Epidemiology and Environmental Factors

Long-term follow-up of infants after transcervical chorionic villus sampling and after amniocentesis to compare congenital abnormalities and health status: *A. H. P. Schaap, H. G. van der Pol, K. Boer, N. J. Leschot and H. Wolf* 598

Letters to the Editor 633

Current Awareness in Prenatal Diagnosis 638

ISSUE NUMBER 8, AUGUST 2002

Fetal Cytogenetics
Original Papers

Prenatal detection of structural abnormalities of chromosome 18: associations with interphase fluorescence *in situ* hybridization (FISH) and maternal serum screening: *M. D. Graf, P. Gill, M. Krew and S. Schwartz* 645

Female pseudohermaphroditism in a fetus with a deletion 9(22.2q31.1): *A. C. L'Herminé, A. Aboura, B. Simon-Bouy, F. Robin, F. Audibert, N. Strouk, F. Capron, R. Frydman and G. Tachdjian* 652

Prenatal diagnosis of a 45,X male with a SRY-bearing chromosome 21: *V. Nataf, M. V. Senat, M. Albert, L. Bidat, P. de Mazancourt, J. Roume, L. Allard, D. Le Tessier, Y. Ville and J. Selva* 675

Isochromosome 5p mosaicism at prenatal diagnosis: observations and outcomes in six cases at chorionic villus sampling and one at amniocentesis: *S. C. Wilson, M. Susman, S. Bain, M. Wohlferd, D. L. Van Dyke, A. Daniel, B. White and R. J. McKinlay Gardner* 681

Short Communications

Uniparental disomy in fetuses diagnosed with balanced Robertsonian translocations: risk estimate: *S. Silverstein, I. Lerer, M. Sagi, A. Frumkin, Z. Ben-Neriah and D. Abeliovich* 649

Prenatal diagnosis of female monozygotic twins discordant for Turner syndrome: implications for prenatal genetic counselling: *B. Gilbert, C. Yardin, S. Briault, V. Belin, A. Lienhardt, Y. Aubard, J. Battin, M. Servaud, H. J. Philippe and D. Lacombe* 697

Outcome of prenatally diagnosed trisomy 6 mosaicism: *R. Wallerstein, T. Oh, J. Durcan, Y. Abdelhak, M. Clachko and H. Aviv* 722

Fetal Molecular Biology and Biochemistry

Rapid prenatal diagnosis of sickle cell diseases using oligonucleotide ligation assay coupled with laser-induced capillary fluorescence detection: *N. S. Day, M. Tadin, A. M. Christiano, P. Lanzano, S. Piomelli and S. Brown* . . 686

Prenatal prediction of childhood-onset spinal muscular atrophy (SMA) in Turkish families: *S. Savas, S. Eraslan, S. Kantarci, B. Karaman, D. Acarsoz, T. Tükel, O. Cogulu, F. Ozkinay, S. Basaran, K. Aydınlı, M. Yuksel-Apak and B. Kirdar* 703

Novel mutation and prenatal sonographic findings of glutaric aciduria (type I) in two Taiwanese families: *S. K. Lin, S. G. Hsu, E. S. C. Ho, C. R. Tsai, Y. T. Hseih, F. C. Lo, H. Y. Lai and M. H. Chen* 725

Fetal Imaging

Chondrodysplasia punctata (CDP) with features of the tibia-metacarpal type and maternal phenytoin treatment during pregnancy: *U. Wester, G. Brandberg, M. Larsson, T. Lönnerholm and G. Annerén* 663

Prenatal identification of esophageal atresia: the role of ultrasonography for evaluation of functional anatomy: *A. Shulman, R. Mazkereth, Y. Zalel, J. Kuint, S. Lipitz, I. Avigad and R. Achiron* 669

Prenatal diagnosis and intrafamilial clinical heterogeneity of Fraser syndrome: *T. Rousseau, N. Laurent, C. Thauvin-Robinet, S. Lionnais, C. Durand, L. Faivre and P. Sagot* 692

Hypomandibular faciocranial dysostosis in consanguineous parents revealed by ultrasound prenatal diagnosis: *C. Thauvin-Robinet, T. Rousseau, N. Laurent, C. Durand, C. Maingueneau, V. Cormier-Daire, P. Sagot, L. Faivre and A. Nivelon-Chevallier* 710

Is unexplained third trimester intrauterine death of fetuses with gastroschisis caused by umbilical cord compression due to acute extra-abdominal bowel dilatation? *K. D. Kalache, A. Bierlich, H. Hammer and R. Bollmann* 715

Maternal Screening

Maternal serum hyperglycosylated human chorionic gonadotrophin (HhCG) in the first trimester of pregnancies affected by Down syndrome, using a sialic acid-specific lectin immunoassay: *K. Spencer, J. A. Talbot and R. A. Abushoufa* 656

First trimester screening with free β-hCG, PAPP-A and nuchal translucency in pregnancies conceived with assisted reproduction: *F. Orlandi, C. Rossi, A. Allegra, D. Krantz, T. Hallahan, E. Orlandi and J. Macri* 718

Comparison and integration of first trimester fetal nuchal translucency and second trimeser maternal serum screening for fetal Down syndrome: *Y. H. Lam, C. P. Lee, S. Y. Sin, R. Tang, H. S. Wong, S. F. Wong, D. Y. T. Fong, M. H. Y. Tang and H. H. N. Woo* 730

Letters to the Editor 736

Current Awareness in Prenatal Diagnosis 740

ISSUE NUMBER 9, SEPTEMBER 2002

Fetal Cytogenetics

CGH in the detection of confined placental mosaicism (CPM) in placentas of abnormal pregnancies: *A. Amiel, N. Bouaron, D. Kidron, R. Sharony, E. Gaber and M. D. Fejgin* 752

Prenatal and postnatal characterization of Y chromosome structural anomalies by molecular cytogenetic analysis: *C. Hernando, M. Carrera, I. Ribas, N. Parear, R. Baraibar, J. Egozcue and C. Fuster* 802

Fetal Molecular Biology and Biochemistry

Molecular prenatal diagnosis of Smith-Lemli-Opitz syndrome is reliable and efficient: *J. Loeffler, G. Utermann and M. Witsch-Baumgartner* 827

Fetal Imaging

Nuchal translucency measurements in consecutive normal pregnancies. Is there a predisposition to increased levels? *R. Maymon, A. Padea, E. Dreazen and A. Herman* 759

Optimising the timing for nuchal translucency measurement: *S. Mulvey, L. Baker, A. Edwards, J. Oldham, P. Shekleton and E. M. Wallace* 775

References ranges for Doppler-assessed pulmonary venous blood flow velocities and pulsatility indices in normal human fetuses: *F. Lenz and R. Chaoui* 786

Choroid plexus cysts in the mid-trimester fetus — practical application suggests superiority of an individual risk method of counseling for trisomy 18: *L. M. Bird, B. Dixson, D. Masser-Frye, L. Mestre, L. Ribas, L. Mullen, K. Kalla, K. Carder, M. Huslig, V. A. Catanzarite and M. C. Jones* 792

Spine length measurement in the first trimester of pregnancy: *P. De Biasio, G. Ginocchio, M. Vignolo, G. Ravera, P. L. Venturini and G. Aicardi* 818

Invited Commentary: Current issues in obstetrics and genetics

The significance of the nuchal fold in the second trimester fetus: *B. Benacerraf* 798

Short Communications

Fetal fibrochondrogenesis at 26 weeks' gestation: *H. Randrianaivo, G. Haddad, H. Roman, A. Lise, A. Toutain, M. Le Merrer and C. Moraine* 806

Prenatal diagnosis of Milroy's primary congenital lymphedema: *I. R. Makhoul, P. Sujov, N. Ghanem and M. Bronshtein* 823

Fetal Infection

Clostridium welchii infection following amniocentesis: a case report and review of the literature: *H. Hamoda and P. F. Chamberlain* 783

Pathology of the Fetus and Placenta

Association between fetal nuchal translucency thickness in first trimester and subsequent gestational hypertension and preeclampsia: *M.-S. Tsai, F.-J. Lee, C.-C. Cheng, K.-Y. Hwa, M.-L. Cheong and B.-Q. She* 747

Maternal Screening

Prenatal diagnosis and carrier detection for Athabascan severe combined immunodeficiency disease: *L. Li, Y. Zhou, J. Wang, D. Hu and M. J. Cowan* 763

Decreased first trimester PAPP-A is a predictor of adverse pregnancy outcome: *Y. Yaron, S. Heifetz, Y. Ochshorn, O. Lehavi and A. Orr-Urtreger* 778

Psychosocial Aspects

Factors affecting the decision regarding amniocentesis in women at genetic risk because of age 35 years or older: *P. Vergani, A. Locatelli, A. Biffi, E. Ciriello, A. Zagarella, J. C. Pezzullo and A. Ghidini* 769

Ethical decision-making in prenatal diagnosis and termination of pregnancy: a qualitative survey among physicians and midwives: *M. Garel, S. Gosme-Seguret, M. Kaminski and M. Cuttini* 811

Letters to the Editor 831

Current Awareness in Prenatal Diagnosis 843

ISSUE NUMBER 10, OCTOBER 2002

Fetal Cytogenetics

Short Communications

Prenatal diagnosis of trisomy 21 by i(21q): a rare case of fetoplacental chromosomal discrepancy: *J. L. Gilardi, F. Perrotin, C. Paillet, S. Blesson, H. Cave, S. Briault and C. Moraine* 856

Fetal Molecular Biology and Biochemistry

Prenatal diagnosis of Crigler-Najjar syndrome type 1 by single-strand conformation polymorphism (SSCP): *J. Francoual, P. Trioche, C. Mokrani, H. Seboui, N. Khrouf, J. Chalas, M. Clement, L. Capel, G. Tachdjian and P. Labrune* 914

Non-invasive first trimester fetal gender assignment in pregnancies at risk for X-linked recessive diseases: *V. Mazza, C. Falcinelli, A. Percesepe, S. Paganelli, A. Volpe and A. Forabosco* 919

Short Communication

Prenatal detection of a cystic fibrosis mutation in fetal DNA from maternal plasma: *M. C. González-González, M. García-Hoyos, M. J. Trujilio, M. Rodríguez de Alba, I. Lorda-Sánchez, J. Díaz-Recasens, E. Gallardo, C. Ayuso and C. Ramos* 946

Fetal Imaging

Reference values of fetal orbital measurements by transvaginal scan in early pregnancy: *P. Rosati, F. Bartolozzi and L. Guariglia* 851

Dilated coronary sinus in prenatal echocardiography; identification, associations and outcome: *E. Machevin-Surugue, N. David, E. Verspyck, G. Labadie, G. Blaysat, I. Durand, V. Ickowicz and L. Marpeau* 898

Invited Commentaries

Increased nuchal translucency in fetuses with a normal karyotype: *J. A. Hyett* 864

Gastroschisis—an overview: *A. Hunter and P. Soothill* 869

Short Communications

Perinatal imaging findings of inherited Sotos syndrome: *C.-P. Chen, S.-P. Lin, T.-Y. Chang, N.-C. Chiu, S.-L. Shih, C.-J. Lin, W. Wang and H.-C. Hsu* 887

Association between first trimester absence of fetal nasal bone on ultrasound and Down syndrome: *L. Otaño, H. Aiello, L. Igarzábal, T. Matayoshi and E. C. Gadow* 930

Maternal Screening

Between pregnancy biological variability of first trimester markers of Down syndrome and the implications for screening in subsequent pregnancies: and issue revisited: *K. Spencer* 874

A first trimester trisomy 13/trisomy 18 risk algorithm combining fetal nuchal translucency thickness, maternal serum free β-hCG and PAPP-A: *K. Spencer and K. H. Nicolaides* 877

Influence of maternal smoking on the birth prevalence of Down syndrome and on second trimester screening performance: *A. R. Rudnicka, N. J. Wald, W. Huttly and A. K. Hackshaw* 893

Agreement between predicted risk and prevalence of Down syndrome in first trimester nuchal translucency screening: *F. Prefumo and B. Thilaganathan* 917

Second-trimester trisomy 21 maternal serum marker screening. Results of a countrywide study of 854902 patients: *F. Muller, F. Forestier and B. Dingeon* 925

Role of fetal sex in amniotic fluid alphafetoprotein screening: *A. J. Knippel* 941

Short Communication

Screening for chromosomal anomalies in the first trimester: does repeat maternal serum screening improve detection rates? *K. Spencer and H. S. Cuckle* 903

Psychosocial Aspects

Attitudes towards prenatal diagnosis and termination of pregnancy among health professionals in Lebanon: *L. Zahed, M. Nabulsi and H. Tamim* 880

Issues surrounding prenatal genetic testing for achondroplasia: *H. C. Gooding, K. Boehm, R. E. Thompson, D. Hadley, C. A. Francomano and B. B. Biesecker* 933

Technological Developments

Early amniocentesis with filtration technique: neonatal outcome in 123 singleton pregnancies: *I. Farrán, M. A. Sánchez, C. Mediano, A. Plaja, A. Guzmán, A. M. de la Riva and L. Cabero* 859

Fetal Diagnosis

Early second trimester (13 to 20 weeks) transabdominal chorionic villus sampling (TA-CVS): a safe and alternative method for both high and low risk populations: *B. Brambati, L. Tului, L. Camurri and S. Guercilena* 907

Current Awareness in Prenatal Diagnosis 949

ISSUE NUMBER 11, NOVEMBER 2002

Fetal Cytogenetics

Pregnancy outcome following prenatal diagnosis of an isodicentric X chromosome: first case report: *A. Lebbar, G. Viot, S. Szpiro-Tapia, F. Baverel, D. Rabineau and J. M. Dupont* 973

Fetal Molecular Biology and Biochemistry

Rapid diagnosis of triploidy of maternal origin using fluorescent PCR and DNA fragment analysis in the third trimester of pregnancy: *Z. Bán, B. Nagy, C. Papp, E. Tóth-Pál and Z. Papp* 984

Prenatal diagnosis of the Hunter syndrome and the introduction of a new fluorimetric enzyme assay: *J. L. M. Keulemans, I. Sinigerska, V. H. Garritsen, J. G. M. Huijmans, Y. V. Voznyi, O. P. van Diggelen and W. J. Kleijer* 1016

Invited Commentary

Prenatal diagnosis of Pelizaeus-Merzbacher disease: *J. Garbern and G. Hobson* 1033

Short Communication

Prenatal diagnosis of a fetus with pure partial trisomy 1q32-44 due to a familial balanced rearrangement: *Y. Kimya, T. Yakut, Ü. Egeli and K. Özerkan* 957

Fetal Imaging

The early development of the fetal kidney — an in utero sonographic evaluation between 13 and 22 weeks' gestation: *Y. Zalel, D. Lotan, R. Achiron, S. Mashiach and R. Gamzu* 962

Fetal capillary haemangioblastoma: an exceptional tumour. A review of the literature: *A. Diguet, A. Laquerrière, D. Eurin, I. Chanavaz-Lacheray, M. M. Ruchoux, A. Rossi and L. Marpeau* 979

Perinatal management and outcome of prenatally diagnosed congenital diaphragmatic hernia: a 1995–2000 series in Rennes University Hospital: *P. Bétrémieux, S. Lionnais, A. Beuchée, P. Pladys, G. Le Bouar, L. Pasquier, L. Loeuillet-Olivo, O. Azzis, J. Milon, E. Wodey, B. Frémond, S. Odent and P. Poulain* 988

Prenatal diagnosis of ductas venosus agenesis and its association with cytogenetic/congenital anomalies: *P. Volpe, M. Marasini, G. Caruso, M. Lituania, A. Marzullo, G. Volpe and M. Gentile* 995

Ivemark syndrome with agenesis of the corpus callosum: a case report with a review of the literature: *F. Noack, F. Sayk, A. Ressel, C. Berg, U. Gembruch and E. Reusche* 1011

Degree of fetal umbilical venous constriction at the abdominal wall in a low-risk population at 20–40 weeks of gestation: *S. M. Skulstad, T. Kiserud and S. Rasmussen* 1022

Evaluating the risk of tuberous sclerosis in cases with prenatal diagnosis of cardiac rhabdomyoma: *R. Gamzu, R. Achiron, J. Hegesh, E. Weiner, R. Tepper, A. Nir, R. Rabinowitz, R. Auslander, S. Yagel and Y. Zalel* . . . 1044

Short Communications

Fetal bradycardia in first trimester: an unusual presentation of atrial extrasystoles: *S. F. Wong, K. T. Chau and L. C. Ho* 976

Currarino triad: concurrent US and MRI diagnosis in the fetus and the mother: *P. Eliás, J. Žižka and P. Baliček* . 1005

Type II single umbilical artery (persistent vitelline artery) in an otherwise normal fetus: *R. Gamzu, Y. Zalel, J. M. Jacobson, L. Screiber and R. Achiron* 1040

McKusik-Kaufman syndrome: prenatal diagnosis, genetics and follow up: *P. Gaucherand, C. Vavasseur-Monot, E. Ollagnon, C. Boisson, J.-M. Labaune, T. Basset and G. Yared* 1048

Maternal Screening

Down syndrome maternal serum marker screening after 18 weeks' gestation: *F. Muller, S. Dreux, J.-F. Oury, D. Luton, S. Uzan, M. Uzan, M. Levardon and M. Dommergues* 1001

Epidemiology and Environmental Factors

The influence of prenatal screening and termination of pregnancy on perinatal mortality rates: *K. M. van der Pal-de Bruin, W. Graafmans, M. C. J. Biermans, J. H. Richardus, A. G. Zijlstra, J. Reefhuis, J. P. Mackenbach and S. P. Verloove-Vanhorick* 966

Technological Developments

Low or absent unconjugated estriol in pregnancy: an indicator for steroid sulfatase deficiency detectable by fluoresence *in situ* hybridization and biochemical analysis: *C. D. Kashork, V. R. Sutton, J. S. F. Allen, D. E. Schmidt, M. L. Likhite, L. Potocki, W. E. O'Brien and L. G. Shaffer* 1028

Invasive Prenatal Diagnosis

Risk of amniocentesis in women screened positive for Down syndrome with second trimester maternal serum markers: *F. Muller, D. Thibaud, F. Poloce, M.-C. Gelineau, M. Bernard, C. Brochet, C. Millet, J.-Y. Réal and M. Dommergues* 1036

Letters to the Editor 1051

Erratum 1056

Current awareness in Prenatal Diagnosis 1057

Conference Announcement 1062

ISSUE NUMBER 12, DECEMBER 2002

Fetal Cytogenetics

Origin of amnion and implications for evaluation of the fetal genotype in cases of mosaicism: *W. P. Robinson, D. E. McFadden, I. J. Barrett, B. Kuchinka, M. S. Peñaherrera, H. Bruyère, R. G. Best, D. A. L. Pedreira, S. Langlois and D. K. Kalousek* 1076

Fetal Molecular Biology and Biochemistry

Strategies for the isolation and detection of fetal cells in transcervical samples: *C. Bussani, R. Cioni, B. Scarselli, F. Barciulli, S. Bucciantini, P. Simi, A. Fogli and G. Scarselli* 1098

Fetal Imaging

Short Communications

Prenatal diagnosis of the Dandy-Walker malformation and ventriculomegaly associated with partial trisomy 9p and distal 12p deletion: *C.-P. Chen, T.-Y. Chang, J.-C. Shih, S.-P. Lin, C.-J. Lin, W. Wang, C.-C. Lee, D.-D. Town, C.-W. Pan and C.-Y. Tzen* **1063**

Sonographic features of ileal duplication cyst at 12 weeks: *M. Chen, Y. H. Lam, C. L. Lin, K. W. Chan, P. W. Hui, M. H. Y. Tang, C. P. Lee and P. L. Khong* **1067**

Prenatal diagnosis of atelosteogenesis type I at 21 weeks' gestation: *K. Ueno, M. Tanaka, K. Miyakoshi, C. Zhao, H. Shinmoto, G. Nishimura and Y. Yoshimura* **1071**

Fetal Infections

Prenatal diagnosis of congenital toxoplasmosis: *A. Antsaklis, G. Daskalakis, N. Papantoniou, A. Mentis and S. Michalas* **1107**

Maternal Screening

Molecular weight forms of inhibin A, inhibin B and pro-αC in maternal serum, amniotic fluid and placental extracts of normal and Down syndrome pregnancies: *P. P. Thirunavukarasu, G. Lambert-Messerlian, D. M. Robertson, G. Dawson, J. Canick and E. M. Wallace* **1086**

Psychosocial Aspects

Parental decisions to abort or continue a pregnancy with an abnormal finding after an invasive prenatal test: *J. Zlotogora* **1102**

Technical Developments

Fetal magnetoencephalography in intrauterine growth retarded pregnancies: *A. Kotini, N. Koutlaki, P. Anninos, V. Liberis, A. Hatzimihael and P. Anastasiadis* **1093**

Letters to the Editor **1112**

Preimplantation Genetics and Diagnosis (Special Topic Section)

Issues and concerns of couples presenting for preimplantation genetic diagnosis (PGD): *M. G. Katz, L. Fitzgerald, A. Bankier, J. Savulescu and D. S. Cram* **1117**

Personal desires of patients and social obligations of geneticists: applying preimplantation genetic diagnosis for non-medical sex selection: *G. Pennings* **1123**

Real-time PCR with molecular beacons provides a highly accurate assay for detection of Tay-Sachs alleles in single cells: *J. E. Rice, A. Sanchez, K. E. Pierce and L. J. Wangh* **1130**

Stage-specific expressed sequence tags obtained during preimplantation bovine development by differential display RT-PCR and suppression subtractive hybridization: *S. Ponsuksili, D. Tesfaye, N. El-Halawany, K. Schellander and K. Wimmers* **1135**

Cytogenetic analysis of human blastocysts: *H. J. Clouston, M. Herbert, J. Fenwick, A. P. Murdoch and J. Wolstenholme* **1143**

Preimplantation genetic diagnosis using FISH for carriers of Robertsonian translocations: the Portuguese experience: *C. Alves, M. Sousa, J. Silva and A. Barros* **1153**

Current awareness in Prenatal Diagnosis **1163**

ISSUE NUMBER 13, DECEMBER 2002

Fetal Molecular Biology and Biochemistry

Prenatal diagnosis of 21-hydroxylase deficiency caused by gene conversion and rearrangements: pitfalls and molecular diagnostic solutions: *R. Mao, L. Nelson, R. Kates, C. E. Miller, D. L. Donaldson, W. Tand and K. Ward* **1171**

Nuchal index: a gestational age independent ultrasound marker for the detection of Down syndrome: *K. I. Lim, D. Pugash, J. Dansereau and R. D. Wilson* **1233**

Fetal Cells in Maternal Circulation

Limited expression of Fas and Fas ligand in fetal nucleated erythrocytes isoloated from first trimester maternal blood: *S. Sohda, O. Samura, K. L. Johnson, V. M. Falco, R. S. Elmes and D. W. Bianch* **1213**

Fetal Imaging

Prenatal ultrasound diagnosis of Toriello-Carey syndrome: *D. Paladini, M. Russo, A. Tartaglione, A. Loffredo and P. Martinelli* **1185**

The association between fetal pyelectases on second trimester ultrasound scan and aneuploidy among 25 586 low risk unselected women: *A. E. Havutcu, G. Nikolopoulos, P. Adinkra and R. F. Lamont* **1201**

Hypoechogenicity of fetal long bones: a new ultrasound marker for arthrogryposis: *J. C. Murphy, D. Neale, B. Bromely, B. R. Benacerraf and J. A. Copel* **1219**

Short Communication

Prenatal sonographic diagnosis of the 49,XXXXY syndrome: *C. Schluth, B. Doray, F. Girard-Lemaire, M. Kohler, B. Langer, B. Gasser, V. Linder and E. Flori* **1177**

Fetal Therapy

Short Communication

Prenatal diagnosis and treatment of fetal long QT syndrome: a case report: *I.-K. Chang, M.-K. Shyu, C.-N. Lee, M.-L. Kau, Y.-H. Ko, S.-N. Chow and F.-J. Hsieh* **1209**

Pathology of the Fetus and Placenta

Some observations of the structure of the choroid plexus and its cysts: *I. Kraus and J. E. Jirásek* **1223**

Maternal Screening

Compromise ultrasound dating policy in maternal serum screening for Down syndrome: *R. R. Rahim, H. S. Cuckle, I. K. Sehmi and R. G. Jones* **1181**

Uptake of prenatal screening for chromosomal anomalies: impact of test results in a previous pregnancy: *K. Spencer* **1229**

Short Communication

Gender impact on first trimester markers in Down syndrome screening: *S. O. Larsen, K. R. Wøjdemann, A.-C. Shalmi, K. Sundberg, M. Christiansen and A. Tabor* **1207**

Psychosocial Aspects

Interpreting information: what is said, what is heard—a questionnaire study of health professionals and members of the public: *L. Abramsky and O. Fletcher* **1188**

Preference assessment of prenatal diagnosis for Down syndrome: Is 35 years a rational cutoff? *W. A. Grobman, S. L. Dooley, E. E. Welshman, E. Pergament and E. A. Calhoun* **1195**

Letters to the Editor **1238**

Errata **1241**

Author Index **1243**

Keyword Index **1248**

Volume Contents . . . . . **i**